

Section III

Appendices N

Equiping and Operating Costs and Indices and Other Economic Indicators

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Equipping and Operating Costs and Indices and Other Economic Indicators

Appendix N contains a general overview of oil and gas economics from 1976 through 1999.

Unweighted aggregates of equipping and operating costs from the summary tables were indexed with 1976 as the base

year. The Gross Domestic Product (GDP) Implicit Price Deflator was used to deflate these indices and the Producer Price Indices (PPI). Each deflated index would equal 100 if the change in cost matched the change in the GDP for that index. The results appear in Tables N1, N2, and N3.

Table N1. Indices and Gross Domestic Product Deflated Indices of the Aggregate Average Equipping Costs for Oil and Gas Fields and the Producer Price Index (PPI) (Capital Equipment)

Year	Indices				Gross Domestic Product Deflated Indices		
	Oil	Gas	PPI ^a	Deflator ^b	Oil	Gas	PPI
1976	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1977	110.2	116.1	106.4	106.5	103.5	109.1	100.0
1978	120.7	127.3	114.8	114.2	105.7	111.5	100.5
1979	133.0	142.2	124.8	124.0	107.3	114.7	100.7
1980	154.4	161.4	138.2	135.4	114.0	119.2	102.0
1981	181.8	176.7	152.3	148.2	122.7	119.3	102.8
1982	191.6	183.4	161.0	157.5	121.6	116.4	102.2
1983	170.2	168.9	165.5	164.2	103.6	102.8	100.8
1984	190.0	160.5	169.4	170.4	111.5	94.2	99.4
1985	165.4	159.3	173.1	176.3	93.8	90.4	98.2
1986	147.1	153.0	176.7	180.9	81.3	84.6	97.7
1987	170.9	162.4	179.9	186.4	91.7	87.1	96.5
1988	169.6	172.6	184.1	193.3	87.8	89.3	95.2
1989	178.0	176.1	191.3	201.4	88.4	87.4	95.0
1990	161.6	179.1	197.9	210.2	76.9	85.2	94.2
1991	167.6	188.5	204.0	218.5	76.7	86.3	93.4
1992	180.2	194.4	207.9	224.5	80.3	86.6	92.6
1993	171.6	198.7	211.6	230.4	74.5	86.2	91.8
1994	169.6	180.3	215.9	235.9	71.9	76.4	91.5
1995	180.5	185.9	220.1	241.3	74.8	77.0	91.2
1996	187.7	192.3	222.7	245.9	76.3	78.2	90.6
1997	200.6	202.1	228.7	250.5	80.1	80.7	91.3
1998	196.0	208.1	233.8	253.0	77.5	82.3	92.4
1999	195.9	208.1	235.6	256.2	76.5	81.2	92.0

^aProducer Price Index (Capital Equipment) obtained from the Bureau of Labor Statistics, U.S. Department of Labor.

^bGross Domestic Implicit Price Deflators were obtained from the Bureau of Economic Analysis, U.S. Department of Commerce.

Notes: The aggregate average costs are the average of the costs from summary Tables 1 and 6 and do not represent the average costs of all wells in the United States.

Source: Energy Information Administration, Office of Oil and Gas.

Table N2. The Gross Domestic Product Implicit Price Deflator and the Gross Domestic Product Deflated Indices of Operating Costs for Oil and Gas Fields

Year	GDP Implicit Price Deflator ^a	Indices		Gross Domestic Product Deflated Indices	
		Oil	Gas	Oil	Gas
1976	100.0	100.0	100.0	100.0	100.0
1977	106.5	117.5	114.6	110.4	107.7
1978	114.2	130.3	121.8	114.1	106.6
1979	124.0	144.0	135.8	116.2	109.5
1980	135.4	174.2	156.4	128.6	115.5
1981	148.2	204.2	181.5	137.8	122.5
1982	157.5	228.4	193.2	145.0	122.6
1983	164.2	226.2	190.8	137.7	116.2
1984	170.4	230.1	192.0	135.0	112.7
1985	176.3	232.2	190.7	131.7	108.2
1986	180.9	212.9	177.4	117.7	98.0
1987	186.4	210.5	181.1	112.9	97.2
1988	193.3	220.1	184.9	113.9	95.7
1989	201.4	229.1	189.6	113.8	94.1
1990	210.2	236.6	200.9	112.6	95.6
1991	218.5	240.9	204.7	110.3	93.7
1992	224.5	245.8	208.5	109.5	92.9
1993	230.4	255.1	216.0	110.7	93.8
1994	235.9	268.1	216.0	113.7	91.6
1995	241.3	266.3	218.9	110.3	90.7
1996	245.9	280.8	223.6	114.2	90.9
1997	250.5	292.7	238.7	116.9	95.3
1998	253.0	292.8	248.1	115.7	98.1
1999	256.2	295.2	250.0	115.3	97.6

^aGross Domestic Product Implicit Price Deflators were obtained from the Bureau of Economic Analysis, U.S. Department of Commerce.

Notes: The aggregate average costs are the average of the costs from summary Tables 3 and 14 and do not represent the average costs of all wells in the United States.

Source: Energy Information Administration, Office of Oil and Gas.

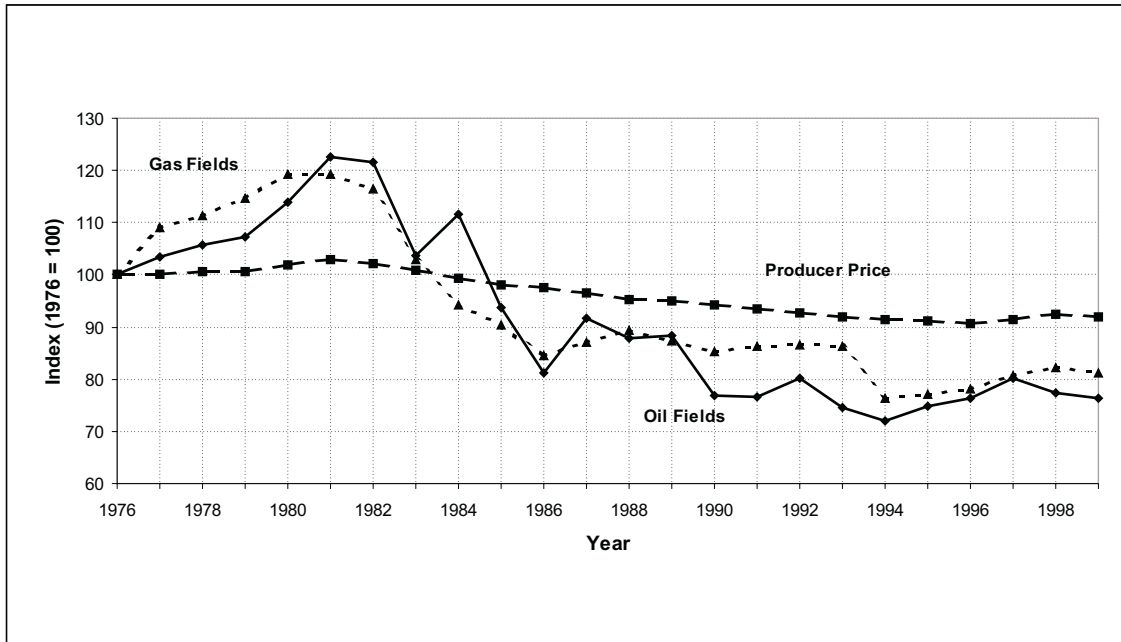
Table N3. The Gross Domestic Product Implicit Price Deflator, the Gross Domestic Product Deflated Indices of Operating Costs for Oil and Gas Fields and the Gross Domestic Product Deflated Oil and Gas Product Price Indices

Year	GDP Implicit Price Deflator ^a	Gross Domestic Product Deflated Indices			
		Operating Costs		Product Price	
		Oil	Gas	Oil	Gas
1976	100.0	100.0	100.0	100.0	100.0
1977	106.5	110.4	107.7	98.3	128.0
1978	114.2	114.1	106.6	96.2	137.4
1979	124.0	116.2	109.5	124.5	164.1
1980	135.4	128.6	115.5	194.6	202.4
1981	148.2	137.8	122.5	261.8	230.4
1982	157.5	145.0	122.6	221.1	269.2
1983	164.2	137.7	116.2	194.7	271.9
1984	170.4	135.0	112.7	185.4	269.1
1985	176.3	131.7	108.2	166.8	245.5
1986	180.9	117.7	98.0	84.4	184.9
1987	186.4	112.9	97.2	100.9	154.4
1988	193.3	113.9	95.7	79.5	150.8
1989	201.4	113.8	94.1	96.1	144.7
1990	210.2	112.6	95.6	116.4	140.3
1991	218.5	110.3	93.7	92.4	129.4
1992	224.5	109.5	92.9	87.0	133.6
1993	230.4	110.7	93.8	75.5	152.6
1994	235.9	113.7	91.6	68.3	135.2
1995	241.3	110.3	90.7	74.0	110.7
1996	245.9	114.2	90.9	91.7	152.2
1997	250.5	116.9	95.3	84.0	159.7
1998	253.0	115.7	98.1	52.5	133.6
1999	256.2	115.3	97.6	55.3	120.5

^aGross Domestic Product Implicit Price Deflators were obtained from the Bureau of Economic Analysis, U.S. Department of Commerce. Notes: The aggregate average costs are the average of the costs from summary Tables 3 and 14 and do not represent the average of all wells in the United States.

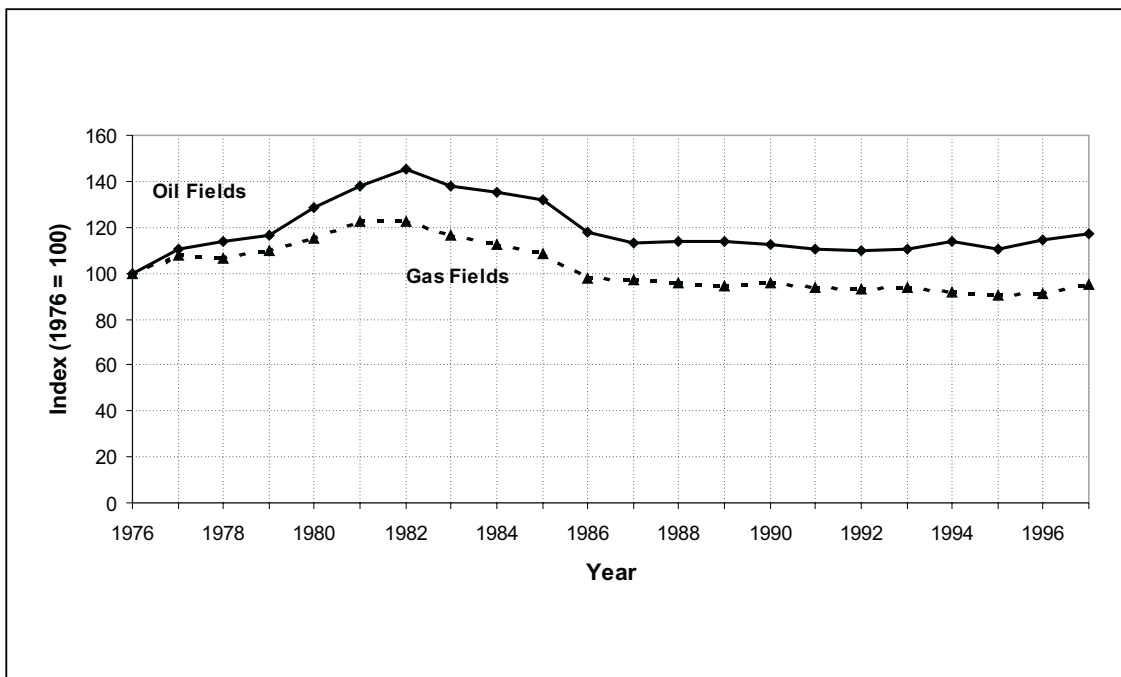
Source: Energy Information Administration, Office of Oil and Gas.

Figure N1. Gross Domestic Product Deflated Producer Price Indices, and Oil and Gas Equiping Cost Indices



Source: Table N1.

Figure N2. Gross Domestic Product Deflated Operating Cost Indices for Oil and Gas Fields



Source: Table N2.